

I claim:

1. A fiberboard bulk materials container rated to support the combined weight of one or more additional containers above the bulk materials container in a stacked configuration, the fiberboard bulk materials container comprising:

a top;

a bottom;

a plurality of fiberboard sidewalls connected together and attached to the top and bottom to form a storage space, the fiberboard sidewalls having a top-to-bottom compression strength of 4 to 5 times the combined weight of the additional containers;

dry-flowable bulk materials stored within the storage space; and

a moisture-resistant polymer film wrapped around the outside of the sidewalls.

2. The fiberboard bulk materials container of claim 1, wherein the combined weight of the additional containers is 2,200 to 4,200 pounds and the top-to-bottom compression strength of the fiberboard bulk materials container is 8,800 to 21,000 pounds.

3. The fiberboard bulk materials container of claim 1, wherein the combined weight is 3,200 pounds and the top-to-bottom compression strength of the fiberboard bulk materials container is 12,800 to 16,000 pounds.

4. The fiberboard bulk materials container of claim 1, wherein the polymer film comprises a linear low-density polyethylene.

5. The fiberboard bulk materials container of claim 4, wherein the linear low-density polyethylene includes 80 to 120 gauge film.

6. The fiberboard bulk materials container of claim 1, wherein the polymer film substantially covers the sidewalls extending from the top to the bottom along the sidewalls.

7. The fiberboard bulk materials container of claim 1, wherein the polymer film includes multiple layers of polymer film.

8. The fiberboard bulk materials container of claim 7, wherein the polymer film includes 2 layers.

9. The fiberboard bulk materials container of claim 1, wherein the polymer film is pre-stretched 200% to 300%.

10. The fiberboard bulk materials container of claim 1, wherein the polymer film is pre-stretched 250%.

11. The fiberboard bulk material container of claim 1, wherein the fiberboard sidewalls include corrugated fiberboard having flutes oriented from top-to-bottom.

12. The fiberboard bulk material container of claim 11, wherein the corrugated fiberboard includes double-wall fiberboard laminated to triple-wall fiberboard.

13. The fiberboard bulk material container of claim 11, wherein each flute has a basis weight of about 33 pounds or less per 1,000 square feet.

14. A reinforced, low-fiber, humidity-resistant, corrugated fiberboard bulk materials container adapted to store 1,000 to 2,000 pounds of dry-flowable materials and rated to support a second and a third container above the bulk materials container in a stacked configuration, the

second and the third container each storing 1,000 to 2,000 pounds of dry-flowable materials, the fiberboard bulk materials container comprising:

a top adapted to couple with a bottom of the second container in a vertical stack;

a bottom;

a plurality of corrugated fiberboard sidewalls foldably connected together and attached to the top and bottom to form a storage space, the corrugated fiberboard sidewalls having a compression strength of 8,800 to 21,000 pounds, the corrugated fiberboard sidewalls including flutes extending from the top to the bottom, each flute having a basis weight of about 33 pounds or less per 1,000 square feet, the corrugated fiberboard including double-wall fiberboard laminated to triple-wall fiberboard;

dry-flowable bulk materials stored within the storage space; and

a moisture-resistant polymer film wrapped around the outside of the sidewalls and substantially covering the sidewalls extending from the top to the bottom along the sidewalls.

15. A method for forming a corrugated fiberboard bulk materials container comprising:

forming a fiberboard bulk materials carton in an open configuration, the carton having a plurality of sidewalls and a bottom together forming a storage space;

filling the storage space with dry-flowable bulk materials;

closing the carton; and

wrapping a moisture-resistant polymer film around the outside of the sidewalls to substantially cover the sidewalls extending from the top to the bottom.

16. The method of claim 15, wherein the step of wrapping includes stretch-wrapping the moisture-resistant polymer film around the outside of the sidewalls.

17. The method of claim 16, wherein the step of wrapping includes pre-stretching the moisture-resistant polymer film 200% to 300%.

18. The method of claim 17, wherein the step of wrapping includes pre-stretching the moisture-resistant polymer film 250%.
19. The method of claim 16, wherein the step of wrapping includes wrapping the film with a wrap tension of 2.5 to 7 pounds per foot of polymer film wrap width.
20. The method of claim 19, wherein the step of wrapping includes wrapping the film with a wrap tension of 4 to 5 pounds per foot of polymer film wrap width.
21. The method of claim 15, wherein the step of wrapping includes shrink-wrapping the moisture-resistant polymer film around the outside of the sidewalls.